

BK	NUM	ANS	QUESTION	ANSWER A	ANSWER B	ANSWER C	ANSWER D	ILLUST
1	265	C	INTERNATIONAL ONLY You are on a power-driven vessel "I" as shown. Vessel "II" is a vessel engaged in fishing. The vessels will pass within 1/2 mile of each other. Which action should you take?	Hold course and speed without giving a signal.	Sound the danger signal and slow to moderate speed.	Sound one short blast, turn to starboard.	Sound one short blast and hold course and speed.	DIAGRAM 36
1	282	B	INLAND ONLY While underway you sight the lights shown with the yellow lights flashing. The lights displayed are from a _____.	vessel not under command	dredge pipeline	vessel aground	vessel engaged in fishing	DIAGRAM 81
1	371	C	INTERNATIONAL ONLY If a towing vessel and her tow are severely restricted in their ability to deviate from their course, the towing vessel shall show lights in addition to her towing identification lights. These additional lights shall be shown if the tow _____.	pushed ahead	towed alongside	towed astern	All of the above	
1	8135	B	INTERNATIONAL ONLY What characteristic must a light used to indicate passing intentions have?	It must be an all-round red light.	It must be an all-round white light.	It must be an all-round yellow light.	It can be either an all-round white or yellow light.	
2	136	D	Under the federal regulations, what minimum level of Blood Alcohol Content (BAC) constitutes a violation of the laws prohibiting Boating Under the Influence of Alcohol (BUI) on commercial vessels?	.18% BAC	.10% BAC	.06% BAC	.04% BAC	
2	195	C	You are transporting dangerous cargo on your vessel. The Dangerous Cargo Manifest must be signed by the _____.	shipper	U.S. Coast Guard Marine Inspector	Master or his authorized representative	Master only	
2	233	C	A vessel brought alongside should be fended off the towing vessel by _____.	crew members using their arms	a boat hook	fenders	No fending is necessary due to the rugged construction of most towing vessels.	
2	261	D	A seaman about to be discharged has a Continuous Discharge Book. Which statement is TRUE?	A Certificate of Discharge Form should be attached to the book.	An entry should be made in the book and a Certificate of Discharge Form issued to the seaman.	If a vessel was on coastwise articles, the record of discharge will be made in the Official Logbook.	The record of entry in the book must be submitted to the Coast Guard.	

2	675	B	An advantage of the modified Christmas Tree towing method is to _____.	increase the towing hawser's catenary and provide more spring	reduce catenary, allow operation in shallower water, and to release one barge without breaking up the entire tow	enable one tug and its crew without any outside assistance to make up or break down the tow	provide rapid delivery of logs from the northwestern United States to Hawaiian sawmills	
2	912	B	You are aboard vessel "A" in a narrow channel and the pilot is approaching vessel "B" as shown. The reason he has not previously changed course to the starboard side of the channel is _____.	to avoid vessel squat in the shallower water near the bank	to avoid the effects of bank cushion and bank suction	because there is less chance of striking submerged objects in mid-channel	because the current has less eddies in mid-channel	DIAGRAM 37
2	1145	B	You are on watch at night in clear visibility and the vessel has just been anchored. The first thing that you should do after the anchor has been let go is to _____.	stop the engines	take bearings to obtain ship's position	turn off the running lights and turn on the anchor lights	lower the accommodation ladder and illuminate it	
2	1283	C	Which statement about the fo'c'sle card is TRUE?	The fo'c'sle card is a blank sample of the articles.	It contains copies of the crew's signatures from the articles.	Is an exact copy of shipping articles.	Each crewmember is given a copy of the fo'c'sle card.	
2	1292	C	The Articles of Agreement _____.	is also known as a Merchant Mariner's Document	designates the quarters a seaman will occupy during a voyage	advises the crew of the conditions of employment	are signed by each crewmember at the end of the voyage	
2	1293	D	What is required to be posted in the pilothouse of a vessel?	Certificate of Inspection	Officer's licenses	Company Mission Statement	Muster List ("Station Bill")	
2	1295	D	What is required to be posted in the pilothouse of a vessel?	Official Crew List	Company Mission Statement	Certificate of Inspection	Maneuvering Characteristics	
2	2084	A	A copy of the Articles of Agreement, less the signatures, is required to be posted. This document is called the _____.	Fo'c'sle Card	Articles Copy	Voyage Agreement	Shipping Articles	
2	2145	B	The fo'c'sle card _____.	is posted in the crews quarters and lists the emergency stations	advises the crew of the conditions of employment	is also known as a Merchant Mariner's Document	designates the quarters a seaman will occupy during a voyage	

2	3269	A	What provides little or no indication that a vessel is dragging anchor?	Changing range to an object abeam	Drift lead with the line tending forward	The cable alternates between slack and heavy tension	Changing bearing to a fixed distant object abeam	
2	3692	B	What provides little or no indication that a vessel is dragging anchor?	Increasing radar range to a fixed object ahead	Drift lead with the line leading perpendicular to the centerline	Vibrations felt by placing a hand on the anchor cable	Changing bearings to distant fixed objects abeam	
3	32	B	The datum used for soundings on charts of the Atlantic Coast of the United States is mean _____.	low water	lower low water	higher high water	high water	
3	75	A	The zone time of LAN is 1152. Your longitude is 73°15'E. What time would you use to enter the Nautical Almanac to determine the declination of the Sun at LAN?	0659	0652	1859	1852	
3	516	D	A hurricane moving northeast out of the Gulf passes west of your position. You could expect all of the following EXCEPT _____.	higher than normal swells	high winds	winds veering from south, through west, to northwest	gradual pressure gradient	
3	557	A	Your vessel has a draft of 23 feet. On 23 June 1983 you wish to pass over a temporary obstruction near Beaufort, SC, that has a charted depth of 22 feet. Allowing for a safety margin of 3 feet, what is the earliest time after 1600 DST (ZD +4) that this passage can be made?	1750	1815	1855	1944	
3	577	C	Your vessel has a draft of 24 feet. On 7 April 1983 you wish to pass over a temporary obstruction near Lovell Island, MA, that has a charted depth of 22 feet. Allowing for a safety margin of 3.1 feet under your keel, what is the earliest time after 0100 EST (ZD +5) that this passage can be made?	0248	0304	0342	0356	

3	597	B	You will be loading in Boston Harbor to a maximum draft of 32'06". The charted depth of an obstruction in the channel near Boston Light is 30 feet and you wish to have 3 feet of keel clearance. The steaming time from the pier to the obstruction is 01h 05m. What is the latest time (ZD +4) you can sail on 17 May 1983 and meet these requirements?	1610	1728	1821	2350	
3	607	D	The charted depth alongside the south face of Mystic Pier, Charlestown, MA, is 35 feet. Your maximum draft is 38 feet. You wish to have 2 feet under the bottom, on a rising tide, when you go alongside to discharge a heavy lift. What is the earliest time after 0900 EST (ZD +5), on 2 February 1983, that you can dock?	1020	1050	1127	1137	
3	637	D	Your draft is 24 feet. You wish to pass over an obstruction near Lovell Island, MA, on 6 May 1983. The charted depth is 22 feet. Allowing a safety margin of 3.0 feet, what is the earliest time after 0200 DST (ZD +4) that this passage can be made?	0215	0245	0310	0347	
3	718	A	You are to sail from Elizabethport, NJ, on 22 May 1983 with a maximum draft of 28 feet. You will pass over an obstruction in the channel near Sandy Hook that has a charted depth of 27 feet. The steaming time from Elizabethport to the obstruction is 1h 40m. What is the earliest time (ZD +4) you can sail on the afternoon of 22 May and pass over the obstruction with 3 feet of clearance?	1407	1331	1303	1242	
3	800	A	You are to sail from Elizabethport, NJ, on 17 November 1983 with a maximum draft of 27 feet. You will pass over an obstruction in the channel near Sandy Hook that has a charted depth of 26 feet. The steaming time from Elizabethport to the obstruction is 1h 50m. What is the earliest time (ZD +5) you can sail on 17 November and pass over the obstruction with 2 feet of clearance?	0056	0124	0154	0218	

4	497	C	The Coast Guard broadcasts routine weather reports on channel _____.	13	9A	22A	44	
4	563	B	Which item is of the most use in getting a lifeboat away from a moving ship?	The falls	Boat hook	Boat painter	Sea painter	
4	800	D	The "trimming arm" of a vessel is the horizontal distance between the _____.	LCB and LCF	LCF and LCG	LHA and LCG	LCB and LCG	
4	1913	A	The SS AMERICAN MARINER has the following drafts: FWD 8'-04", AFT 15'-08". Upon completion of loading and bunkering the items listed will be on board. Use the white pages of The Stability Data Reference Book to determine the minimum GM required to meet a one compartment standard?	1.77 feet	1.91 feet	2.09 feet	2.21 feet	ST-0047
4	1946	C	You have 8 containers of steward's supplies each measuring 6'L by 6'B by 6'H and weighing 1.5 tons each. Each container is stowed on deck. What is the maximum VCG permitted of the remaining cargo if you are carrying rig water and load to maximum capacity? (Refer to trim and stability letter for M.V. Surveyor.)	1.00 foot	1.33 feet	1.48 feet	2.00 feet	D037DG
4	2396	B	Your vessel's drafts are: FWD 17'-05", AFT 20'-01"; and the KG is 25.6 feet. What is the righting moment when the vessel is inclined to 45°? (Use the reference material in Section 1, the blue pages, of the Stability Data Reference Book)	17,222 foot-tons	19,709 foot-tons	21,137 foot-tons	22,002 foot-tons	
4	2418	D	Your vessel's drafts are: FWD 24'-07", AFT 25'-09"; and the KG is 23.2 feet. What is the righting moment when the vessel is inclined to 45°? (Use the reference material in Section 1, the blue pages, of the Stability Data Reference Book)	27,008 foot-tons	29,778 foot-tons	32,428 foot-tons	34,663 foot-tons	

4	2426	A	Your vessel's drafts are: FWD 17'-05", AFT 20'-01"; and the KG is 22.4 feet. What is the righting moment when the vessel is inclined to 15°? (Use the reference material in Section 1, the blue pages, of the Stability Data Reference Book)	10,656 foot-tons	12,340 foot-tons	13,980 foot-tons	17,520 foot-tons	
4	2434	D	Your vessel's drafts are: FWD 14'-11", AFT 16'-01"; and the KG is 24.4 feet. What is the righting moment when the vessel is inclined to 30°? (Use the reference material in Section 1, the blue pages, of the Stability Data Reference Book)	24,960 foot-tons	22,870 foot-tons	20,360 foot-tons	18,240 foot-tons	
4	2452	C	Your vessel's drafts are: FWD 22'-03", AFT 22'-09"; and the KG is 23.2 feet. What is the righting moment when the vessel is inclined to 30°? (Use the reference material in Section 1, the blue pages, of the Stability Data Reference Book)	20,790 foot-tons	22,200 foot-tons	25,520 foot-tons	28,080 foot-tons	
4	2514	C	Your vessel's drafts are: FWD 14'-11", AFT 16'-01"; and the KG is 23.2 feet. What is the righting moment when the vessel is inclined to 15°? (Use the reference material in Section 1, the blue pages, of the Stability Data Reference Book)	5,800 foot-tons	7,600 foot-tons	9,272 foot-tons	11,200 foot-tons	
4	2546	B	Your vessel's drafts are: FWD 24'-07", AFT 25'-09"; and the KG is 24.0 feet. What is the righting moment when the vessel is inclined to 15°? (Use the selected stability curves in Section 1, the blue pages, of the Stability Data Reference Book)	5,202 foot-tons	8,666 foot-tons	10,876 foot-tons	11,424 foot-tons	
4	2569	B	Your vessel's drafts are: FWD 22'-03", AFT 22'-09"; and the KG is 24.4 feet. What is the righting moment when the vessel is inclined to 15°? (Use the reference material in Section 1, the blue pages, of the Stability Data Reference Book)	4,176 foot-tons	5,916 foot-tons	7,076 foot-tons	9,003 foot-tons	

4	2719	D	Your vessel's drafts are: FWD 14'-04", AFT 17'-08". The LCG of the forepeak is 200 feet forward of amidships. How many tons of ballast must be pumped into the forepeak in order to have a drag of 2 feet? (Use the reference material in Section 1, the blu	62 tons	65 tons	72 tons	75 tons	
4	3636	B	The SS AMERICAN MARINER has the following drafts: FWD 08'-11.5", AFT 15'-11.5". Upon completion of loading and bunkering the items listed will be on board. Use the white pages of The Stability Data Reference Book to determine the minimum GM required to meet a one compartment standard?	3.15 feet	3.00 feet	2.90 feet	2.80 feet	ST-0144
4	3866	B	Each distress signal and self-activated smoke signal must be replaced not later than the marked date of expiration, or not more than how many months from the date of manufacture?	48 months	42 months	36 months	30 months	
4	4231	D	A tanker loads at a terminal within the tropical zone. She will enter the summer zone five days after departing the loading port. She will burn off about 45 tons/day and daily water consumption is 8 tons. How many tons may she load over that allowed by her summer load line?	225	235	245	265	
4	4298	A	What would white exhaust smoke from a diesel engine probably mean?	Late fuel injection	Excess combustion air	High compression temperature	Excessive lube oil consumption	
5	448	C	At 2100, you set course of 000°T, speed 10 knots from LAT 41°07.0'N, LONG 71°30.0'W. Visibility is 5.5 n.m. What is the earliest time you can expect to sight Point Judith Light? (Use charted range of 20 miles as nominal range.)	The light is visible at 2100.	2106	2111	2123	

5	1666	D	On 23 October 1981, your vessel's 1722 zone time DR position is LAT 27°36'S, LONG 96°16'W, when an amplitude of the Sun is observed. The Sun's lower limb is about 20 minutes of arc above the visible horizon and bears 246° per standard compass. Variation in the area is 14.0°E. The chronometer reads 11h 24m 19s and is 01m 43s fast. What is the deviation of the standard compass?	2.3°E	2.7°E	2.7°W	3.1°W	
5	2019	D	On 15 October 1981, your 0300 zone time DR position is LAT 27°14'S, LONG 99°46'E. You are on course 128°T at a speed of 19 knots. Considering their magnitude, azimuth, and altitude, which group includes the three bodies best suited for a fix at star time?	Jupiter, Alphard, Betelgeuse	Mars, Regulus, Canopus	Achernar, Suhail, Alphard	Achernar, Procyon, Aldebaran	
5	2101	B	On 2 January 1981, your 1759 zone time DR position is LONG 45°17.6'W. At that time you observe Polaris with a sextant altitude (hs) of 24°16.5'. The chronometer time of the sight is 08h 57m 10s, and the chronometer error is 02m 16s slow. The index error is 3.5' on the arc, and the height of eye is 42.5 feet. What is your latitude by Polaris?	22°50.2'N	23°18.8'N	23°30.2'N	24°07.3'N	
5	3471	A	You are underway on course 172°T at 18.5 knots. The current is 078°T at 2.8 knots. What is the speed being made good?	18.5 knots	19.0 knots	19.5 knots	20.0 knots	
5	3619	D	Your vessel is steering course 149°psc, variation for the area is 13°E, and deviation is 4°E. The wind is from the northeast, producing a 4° leeway. What true course are you making good?	128°T	136°T	162°T	170°T	
5	11108	C	The passage between Great Gull Island and Plum Island _____.	is subject to weak and variable tidal currents	uncovers at extreme low water	should be avoided	shows a whirlpool at maximum ebb current when accompanied by NW gales	

5	15813	B	According to the DR track line from your 0100 position, how far off Roanoke Point Shoal Buoy "5" should you be when the buoy is abeam?	0.2 mile	0.6 mile	1.3 mile	1.8 miles	
5	15916	C	If you correct for the current in the preceding question (215°T at 0.5 knot) and maintain an engine speed of 7.5 knots, what is your ETA 0.5 mile south of buoy "W"?	1016	1021	1026	1030	
5	16518	A	At 0845, Montauk Pt. Light is bearing 205°T at a radar distance of 6.6 miles. What is your speed made good from your 0815 position	8.2knots	9.2 knots	10.0 knots	10.5 knots	